



Factoring - Simplifying Fractions with Factors - Composite to Simplified

1 Use factorization to simplify this fraction

$$\frac{49 \times 3 \times 70}{30 \times 35 \times 7}$$

A $\frac{5}{2}$

B $\frac{5}{6}$

C $\frac{2}{3}$

D $\frac{7}{5}$

E $\frac{3}{5}$

F $\frac{7}{8}$

2 Use factorization to simplify this fraction

$$\frac{30 \times 5 \times 4}{20 \times 10 \times 2}$$

A $\frac{7}{8}$

B $\frac{3}{2}$

C $\frac{5}{2}$

D $\frac{5}{3}$

E $\frac{3}{7}$

F $\frac{7}{2}$

3 Use factorization to simplify this fraction

$$\frac{28 \times 30}{3 \times 12 \times 14}$$

A $\frac{7}{5}$

B $\frac{7}{2}$

C $\frac{2}{3}$

D $\frac{3}{2}$

E $\frac{5}{3}$

F $\frac{5}{7}$

4 Use factorization to simplify this fraction

$$\frac{4 \times 4 \times 14}{10 \times 2 \times 28}$$

A $\frac{2}{5}$

B $\frac{5}{7}$

C $\frac{7}{3}$

D $\frac{7}{2}$

E $\frac{3}{2}$

F $\frac{5}{2}$

5 Use factorization to simplify this fraction

$$\frac{7 \times 6 \times 18}{63 \times 15 \times 2}$$

A $\frac{2}{5}$

B $\frac{5}{6}$

C $\frac{3}{4}$

D $\frac{2}{3}$

E $\frac{2}{7}$

F $\frac{7}{2}$

6 Use factorization to simplify this fraction

$$\frac{2 \times 100 \times 7}{30 \times 14 \times 5}$$

A $\frac{5}{3}$

B $\frac{3}{2}$

C $\frac{7}{5}$

D $\frac{5}{2}$

E $\frac{5}{7}$

F $\frac{2}{3}$

7 Use factorization to simplify this fraction

$$\frac{4 \times 98 \times 2}{14 \times 6 \times 14}$$

A $\frac{3}{4}$

B $\frac{2}{3}$

C $\frac{5}{7}$

D $\frac{5}{2}$

E $\frac{3}{7}$

F $\frac{5}{6}$

8 Use factorization to simplify this fraction

$$\frac{6 \times 4 \times 15}{30 \times 18}$$

A $\frac{3}{7}$

B $\frac{5}{6}$

C $\frac{2}{3}$

D $\frac{5}{3}$

E $\frac{5}{7}$

F $\frac{5}{2}$